

We claim:

1. An electrical assembly comprising:
  - a lower housing,
  - a circuit board mounted in the lower housing,
  - an insulator block mounted on a upper surface of the circuit board holding a plurality of electrically conductive terminals so that the terminals have contact heads extending above a top surface of the insulator block and connector tails extending below a bottom surface of the insulator block and attached to circuit board,
  - a face seal above the insulator block so that the contact heads of the terminals extend through the face seal, and
  - an upper housing having an upstanding shroud, andmeans to attach the upper housing to the lower housing so that the contact heads of the terminals are disposed within the shroud and the face seal is compressed between the top surface of the insulator block and a lower surface of the upper housing.
2. The electrical assembly as defined in claim 1 wherein the shroud has an outer periphery and the insulator block has an outer periphery that is smaller than the outer periphery of the shroud spaced inwardly.
3. The electrical assembly as defined in claim 2 wherein the smaller outer periphery of the insulator block provides a space beneath the upper housing for attaching electrical and/or electronic components to the circuit board adjacent the insulator block.
4. The electrical assembly as defined in claim 2 wherein the smaller outer periphery of the insulation block is spaced inwardly of the outer periphery of the shroud.
5. The electrical assembly as defined in claim 3 wherein the smaller outer periphery of the insulation block is spaced inwardly of the outer periphery of the shroud.

6. The electrical assembly as defined in claim 1 wherein the means to attach the upper housing includes the upper housing being attached to the insulator block.

7. The electrical assembly as defined in claim 1 wherein the means to attach the upper housing includes the upper housing being attached to the lower housing.

8. An electrical assembly comprising:  
a lower housing,  
a circuit board mounted in the lower housing,  
an insulator block mounted on a upper surface of the circuit board holding a plurality of electrically conductive terminals so that the terminals have contact heads extending above a top surface of the insulator block and connector tails extending below a bottom surface of the insulator block and attached to circuit board, and  
an upper housing having an upstanding shroud,  
means to attach the upper housing to the lower housing so that the contact heads of the terminals are disposed within the shroud, and  
the shroud having an outer periphery and the insulator block having an outer periphery that is smaller than the outer periphery of the shroud.

9. The electrical assembly in claim 8 wherein the smaller outer periphery of the insulator block provides a space beneath the upper housing for attaching electrical and/or electronic components to the circuit board adjacent the insulator block.

10. The electrical assembly as defined in claim 8 wherein the smaller outer periphery of the insulation block is spaced inwardly of the outer periphery of the shroud.

11. The electrical assembly as defined in claim 9 wherein the smaller outer periphery of the insulation block is spaced inwardly of the outer periphery of the shroud.

12. The electrical assembly as defined in claim 8 wherein the means to attach the upper housing includes the upper housing being attached to the insulator block.

13. The electrical assembly as defined in claim 8 wherein the means to attach the upper housing includes the upper housing being attached to the lower housing.

14. An electrical assembly as defined in claim 8 comprising:  
a lower housing,  
a circuit board mounted in the lower housing,  
an insulator block mounted on a upper surface of the circuit board holding a plurality of electrically conductive terminals so that the terminals have contact heads extending above a top surface of the insulator block and connector tails extending below a bottom surface of the insulator block and attached to circuit board,  
a face seal above the insulator block so that the contact heads of the terminals extend through the face seal, and  
an upper housing having an upstanding shroud,  
the upper housing being attached to the insulator block so that the contact heads of the terminals are disposed within the shroud and the face seal is compressed between a top surface of the insulator block and a lower surface of the upper housing,  
the upper housing being attached to the lower housing, and  
the shroud having an outer periphery and the insulator block having an outer periphery that is smaller than the outer periphery of the shroud.